

DEPARTMENT OF THE ARMY SUPPLY BULLETIN

**SOUTHWEST ASIA PETROLEUM
DISTRIBUTION SYSTEM
OPERATIONAL PROJECT (SWAPDOP)**

**FT LEONARD WOOD TRAINING MODULE
(NSN 3835-01-288-4624)**

**HEADQUARTERS, DEPARTMENT OF THE ARMY
25 FEBRUARY 1991**

Distribution Statement: Approved for public release; distribution is unlimited

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SOUTHWEST ASIA PETROLEUM DISTRIBUTION SYSTEM OPERATIONAL PROJECT
(SWAPDOP)
FT LEONARD WOOD TRAINING MODULE

Headquarters, Department of the Army, Washington, D.C.

SECTION I. INTRODUCTION

1. PURPOSE

a. The Southwest Asia Petroleum Distribution System Operational Project (SWAPDOP) is a highly complex system consisting of a multitude of major and secondary items which must interface together to form a high pressure, multiproduct, petroleum distribution system. This bulletin furnishes information for the Leonard Wood training module of SWAPDOP.

b. This bulletin is intended solely as property accountability document for use depots, troops and supply organizations.

2. SCOPE e. QUANTITY (QTY)

a. The provisions of this bulletin are applicable to any organization in CONUS or overseas which must account for components of the applicable module of the SWAPDOP.

3. EXPLANATION OF TERMS

The following information is a brief description of the layout data provided in Section II

a. NATIONAL STOCK NO. (NSN)
An identifying number assigned items of supply.

b. CONTROL NO.
Number assigned for accounting purposes to an item in this bulletin that has no NSN assigned.

c. DESCRIPTION

The descriptions of the major components are listed in alphabetical sequence by item name with additional descriptive information required for identification. The first description shown is for the SWAPDOP module.

d. UNIT OF ISSUE (U/I)

These are established standard quantities in which an item of supply is issued.

Entries in this column are the actual quantitative requirement.

4. ABBREVIATIONS

AL ALY	Aluminum Alloy
ALUM	Aluminum
ANSI	American National Standards Institute
ASSY	Assembly
ASTM	American Society for Testing Materials
CAD	Cadmium
CU	Cubic
D	Depth
DBL	Double
DC	Direct Current
DED	Diesel Engine Driven
DEG	Degree
DIA	Diameter
EA	Each

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FAB	Fabricated
FNPT	Fine National Coarse Thread
FORSCOM	US Army Forces Command
FT	Feet
FT	Fort
GAL	Gallon
GPM	Gallons per Minute
GR	Grade
H	High
HD	Head
Hex	Hexagon
ID.	Inside Diameter
IN.	Inch
KW	Kilowatt
L	Large
L	Length
LB	Pound
LG	Long
M	Medium
MACH	Machine
MBBL	1000 Barrels
NOM	Nominal
NPT	National Pipe Thread
O/A	Overall
OD	Outside Diameter
PL	Plated
POL	Petroleum
PSI	Pounds per Square Inch
S	Small
SAE	Society of Automotive Engineers
TBE	Threaded Both Ends
TPT	Terminal, Petroleum, Tactical
UNC	United National Coarse Thread
U.S.	United States
V	Volt
W.T.	Wall Thickness
W/	With
WOG	Water, Oil, Gas
X	By

b. If you have recommendations for equipment improvement, submit an SF 368 (See DA PAM B8-750). The above forms should be addressed to:
 Commander
 US Army Troop Support Command
 ATTN: AMCPM-PWL
 4300 Goodfellow Blvd.
 St. Louis, Mo. 63120-1798.

5. REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS.

a. The reporting of errors, omissions, and recommendations improving this supply bulletin by the user is encouraged. Use DA form 2028. to Commander, US Army Support Command, AMSTR-MSSLA 4300 Goodfellow Blvd. St. Louis, Mo. 63120-1798

NATIONAL STOCK NUMBER	DESCRIPTION	Q/I	QTY
3835-01-288-4624	FT LEONARD WOOD ENGINEER TRAINING MODULE PROJECT CODE PLS		
	CONSISTING OF:		
3835-01-288-4613	PIPELINE PUMPING STATION	EA	2
4320-01-193-3430	PUMPING ASSY, DIESEL ENGINE DRIVEN, CENTRIFUGAL, 800 GPM AT 1800 FT HD	EA	2
3835-01-288-4644	RECEIVER ASSY, 6 IN	EA	1
	CONSISTING OF:		
(65614) 31087-100	SKID WELDMENT, RECEIVER ASSEMBLY	EA	1
(65614) 31105-101	TEE AND ELBOW WELDMENT, RECEIVER	EA	1
(65614) 31106-101	TEE AND PIPE WELDMENT, RECEIVER ASSEMBLY	EA	1
(65614) 31107-101	TEE WELDMENT, RECEIVER ASSEMBLY	EA	1
(65614) 31026-1	VALVE, GATE, RAISED FACE FLANGED BOTH ENDS, 6 IN, HAND WHEEL OPERATED	EA	2
(65614)31109-1	VALVE, BALL, RAISED FACE FLANGED BOTH ENDS, 4 IN	EA	1
4720-01-226-4824	HOSE ASSY, RUBBER 2 IN ID, 25 FT LG, W/QUICK DISCONNECT CAM-LOCKING FITTINGS (1 MALE AND 1 FEMALE)	EA	1
4730-00-938-7997	COUPLING HALF, QUICK DISCONNECT, 2 IN NOM SIZE	EA	1
(80204) ANSI B16.11	TEE, REDUCING, 2 X 2 X 1 IN	EA	1
	NIPPLE, PIPE, 2 IN NPT X 2.19 IN	EA	3
(65615) 31119-1	VALVE, BALL, SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 2 IN NOM SIZE	EA	1
(80204) ANSI B16.11	ELBOW, 90 DEG, FEMALE X FEMALE, 2 IN NOM SIZE	EA	1
(80204) ANSI B40.1	GAGE, PRESSURE, 0 - 1500 PSI, 25 PSI INCREMENTS	EA	2

RECEIVER ASSY: (CONTINUED)

	NIPPLE, PIPE, 1 IN NPT X 6.50 IN LG	EA	1
(80204) ANSI B16.11	ELBOW, 90 DEG, FEMALE X FEMALE, 1 IN NOM SIZE	EA	6
	NIPPLE, PIPE, 1 IN NPT X 3.00 IN LG	EA	3
(80204) ANSI B16.11	UNION, 1 IN NOM PIPE SIZE,	EA	2
	NIPPLE, PIPE, 1 IN NPT X 14.81 IN LG	EA	1
(65614) 31116-1	VALVE, BALL, SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 1/2 IN NOM SIZE	EA	1
(80204) ANSI/MSS SP69	U-BOLT, 1/2 IN FOR 8 IN PIPE,	EA	1
(80204) ANSI/MSS SP69	U-BOLT, 1/2 IN FOR 6 IN PIPE,	EA	1
(65614) 31121-1	VALVE, BALL, SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 1 IN NOM SIZE	EA	1
	NIPPLE, PIPE, 1 IN NPT X 3.25 IN LG	EA	1
(81346) ASTM A194	NUT, HEX HEAD, 1/2 IN, CAD PL, .500-13UNC-2A	EA	10
(65614) 25518-1	WASHER, BEVELED	EA	10
	NIPPLE, PIPE, 1 IN NPT X 14.50 IN LG	EA	1
(80204) ANSI B16.11	TEE, SCRCD., 1 IN NOM PIPE SIZE	EA	1
	NIPPLE, PIPE, 1 IN NPT X 58.25 IN LG	EA	1
(65614) 31056-2	VALVE, RELIEF, 1 IN X 1 IN	EA	1
	NIPPLE, PIPE, 1 IN PT X 6.62 IN LG	EA	1
(80204) ANSI B16.11	ELBOW, SCRCD, 90 DEG, FEMALE X FEMALE, 3/4 IN NOM SIZE	EA	1
	NIPPLE, PIPE, 1 IN NPT X 2.24 IN LG	EA	1
(80204)ANSI B16.11	BUSHING, REDUCER, HEX HEAD, 1 IN X 3/4 IN	EA	1

RECEIVER ASSY: (CONTINUED)

(65614) 31120-1	VALVE, BALL, SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 3/4 IN NOM SIZE	EA	1
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 5 IN LG, CAD PL, .750-1OUNC-2A	EA	44
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 6 IN LG, CAD PL, .750-1OUNC-2A	EA	4
(81346) ASTM A194	NUT, HEX HEAD, 3/4 IN, CAD PL, .750- 1OUNC-2A	EA	132
(80204) ANSI B16.11	BUSHING, REDUCER, HEX HEAD, 3/4 IN X 1/2 IN, NPT	EA	1
(80204) ANSI B16.5	GASKET, NON-ASBESTOS, 4 IN NOM PIPE SIZE	EA	2
(80204) ANSI B16.5	GASKET, NON-ASBESTOS, 6 IN NOM PIPE SIZE	EA	4
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 4-1/2 IN LG CAD PL, .750-1OUNC-2A	EA	16
	NIPPLE, PIPE, 1 IN NPT X 18.50 IN LG	EA	1
	NIPPLE, PIPE, 3/4 IN NPT X 4.50 LG	EA	1
	NIPPLE, PIPE, 3/4 IN NPT X 1.25 IN LG	EA	1
	NIPPLE, PIPE, 3/4 IN NPT X 2.50 IN LG	EA	1
(80204) ANSI B16.11	TEE, SCRD, 3/4 IN NOM PIPE SIZE	EA	1
	NIPPLE, PIPE, 1/2 IN NPT X 1.38 IN LG	EA	1
	NIPPLE, PIPE, 1 NPT X 1.75 IN LG	EA	1
(19099) 80000002	CAP, RUBBER, 6 IN	EA	2
(65614) 83768-100	FUEL SAMPLING ASSY CONSISTING OF:	EA	1
(65614) 83769-100	WELDMENT, SAMPLING PIPE	EA	1
(81346)ASTM 312	NIPPLE, STAINLESS STEEL, MALE X MALE, 1/2 IN NOM, NPT	EA	1

FUEL SAMPLING ASSY: (CONTINUED)

(65614) 25594-1	VALVE, BALL, SCREWED, FNPT, 80OWOG 1/2 IN NOM PIPE SIZE	EA	1
(65614) 25604-1	FITTING, TUBE, COMPRESSION, 1/2 IN, NPT TO 1/2 IN OD TUBE	EA	1
(81346) ASTM A269	TUBE, STAINLESS STEEL, 1/2 IN. OD X 0.049 IN W.T.	EA	2
(80204) ANSI/MSS SP-69	U-BOLT, 5/8 IN FOR 6 IN PIPE,	EA	2
(96906) MS27183-22	WASHER, FLAT, STEEL, CAD PL, .688 IN ID	EA	8
(65614) 25599-100	WELDMENT, SAMPLING TABLE	EA	1
(65614)25600-1	VALVE, NEEDLE, 1/2 IN NPT	EA	1
(19099) 80000002	CAP, RUBBER, 6 IN	EA	2
6630-00-242-9258	HYDROMETER, PETROLEUM,	EA	2
6630-00-245-8376	HYDROMETER, PETROLEUM	EA	3
6630-00-245-8377	HYDROMETER, PETROLEUM	EA	3
6630-00-245-8374	HYDROMETER, PETROLEUM	EA	2
6630-00-245-8375	HYDROMETER, PETROLEUM	EA	1
(96906) MS36484	HYDROMETER CYLINDER, PLASTIC, BASE MOUNTED, OIL RESISTANCE FOR PETROLEUM PRODUCTS	EA	3
(32218) 5884	HYDROMETER CASE, 30 X 18 X 8, FOAM CUSHIONED	EA	1
3835-01-288-4650	LAUNCHER ASSY, 6 IN CONSISTING OF:	EA	1
(65614) 31048-100	SKID WELDMENT, LAUNCHER ASSEMBLY	EA	1
(65614) 31151-101	TEE AND ELBOW WELDMENT, LAUNCHER ASSEMBLY	EA	1
(65614) 31150-101	TEE AND PIPE WELDMENT, LAUNCHER ASSEMBLY	EA	1
(65614) 31149-101	TEE WELDMENT, LAUNCHER ASSEMBLY	EA	1
(65614) 31026-1	VALVE, GATE, RAISED FACE FLANGED BOTH ENDS, 6 IN, HAND WHEEL OPERATED	EA	2
(65614) 31109-1	VALVE, BALL, RAISED FACE FLANGED BOTH ENDS, 4 IN	EA	1

LAUNCHER ASSY: (CONTINUED)

4720-01-226-4824	HOSE ASSY, RUBBER, 2 IN ID, 25 FT, LG, W/QUICK DISCONNECT CAM-LOCKING FITTINGS (1 MALE AND 1 FEMALE)	EA	1
4730-00-938-7997	COUPLING HALF, QUICK DISCONNECT, 2 IN NOM SIZE	EA	1
(80204) ANSI B16.11	TEE, REDUCING, SCRD, 2 X 2 X 1 IN	EA	1
	NIPPLE, PIPE, 2 IN NPT X 2.19 IN LG	EA	3
(65614) 31119-1	VALVE, BALL, SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 2 IN NOM SIZE	EA	1
(80204) ANSI B16.11	ELBOW, 90 DEG, FEMALE X FEMALE, 2 IN NOM SIZE	EA	1
(80204) ANSI B40.1	GAGE, PRESSURE, 0 - 1500 PSI, 25 PSI INCREMENTS	EA	2
	NIPPLE, PIPE, 1 IN NPT X 4.88 IN LG	EA	1
(80204) ANSI B16.11	ELBOW, 90 DEG, FEMALE X FEMALE, 1 IN NOM SIZE	EA	5
	NIPPLE, PIPE, 1 IN NPT X 3.00 IN LG	EA	4
(80204) ANSI B16.11	UNION, SCRD, 1 IN NOM PIPE SIZE	EA	2
	NIPPLE, PIPE, 1 IN NPT X 18.93 IN LG	EA	1
(65614) 31116-1	VALVE, BALL, SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 1/2 IN NOM SIZE	EA	2
(80204) ANSI/MSS	U-BOLT, 1/2 IN FOR 8 IN PIPE,	EA	2
(80204) ANSI/MSS SP69	U-BOLT, 1/2 IN FOR 6 IN PIPE,	EA	3
(65614)31121-1	VALVE, BALL. SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 1 IN NOM SIZE	EA	1
(81346) ASTM A193	BOLT. STUD, 3/4 IN X 4-1/2 IN LG, CAD PL, .750-1OUNC-2A	EA	16
(80204) ANSI B16.5	GASKET, NON-ASBESTOS, 4 IN NOM PIPE SIZE	EA	2

LAUNCHER ASSY: (CONTINUED)

	NIPPLE, PIPE, 1 IN NPT X 14.62 IN LG	EA	1
(80204) ANSI B16.11	TEE, SCR.D., 1 IN NOM PIPE SIZE	EA	1
	NIPPLE, PIPE, 1 IN NPT X 4.25 IN LG	EA	1
(65614) 31056-1	VALVE, RELIEF, 3/4 IN X 1 IN	EA	1
	NIPPLE, PIPE, 1 IN NPT X 15.90 IN LG	EA	1
	NIPPLE, PIPE, 1 IN NPT X 3.50 IN LG	EA	1
(81346) ASTM A194	NUT, HEX HEAD, 1/2 IN, CAD PL, .500-13UNC-2A	EA	10
(65614) 25518-1	WASHER, BEVELED	EA	10
(65614) 31120-1	VALVE, BALL, SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 3/4 IN NOM SIZE	EA	1
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 5 IN LG CAD PL, .750-1OUNC-2A	EA	48
(80204) ANSI B16.5	GASKET, NON-ASBESTOS, 6 IN NOM PIPE SIZE	EA	4
(81346) ASTM A194	NUT, HEX HEAD, 3/4 IN, CAD PL, .750-1OUNC-2A	EA	128
	NIPPLE, PIPE, 1/2 IN NPT X 1.38 IN LG	EA	2
	NIPPLE, PIPE, 3/4 IN NPT X 2.00 IN LG	EA	1
	NIPPLE, PIPE, 1 IN NPT X 2.24 IN LG	EA	1
(11226) 3CC-B, 01-1276-0006	PIPELINE SCRAPER, CUPPED, RUBBER 6 IN	EA	5
(19099) 80000002	CAP, RUBBER, 6 IN	EA	2
3835-01-288-5904	STRAINER ASSEMBLY, 6 IN	EA	1
	CONSISTING OF:		
(65614) 31001-100	SKID WELDMENT, STRAINER	EA	1

STRAINER ASSEMBLY: (CONTINUED)

(65614) 31003-3	STRAINER, IN-LINE, VERTICAL, BOTTOM DRAIN, 1 IN FNPT, QUICK OPENING CLOSURE, NON HAMMER TYPE, VENTED, RAISED FACE FLANGTED BOTH ENDS, 6 IN, 1/2 FNPT PRESSURE TAPS BOTH INLET AND OUTLET, 40 MESH FILTER OPENING	EA	1
(65614) 31003-4	STRAINER, IN-LINE, VERTICAL, BOTTOM DRAIN, 1 IN FNPT, QUICK OPENING CLOSURE, NON HAMMER TYPE, VENTED, RAISED FACE FLANGED BOTH ENDS, 6 IN, 1/2 FNPT PRESSURE TAPS BOTH INLET AND OUTLET, 40 MESH FILTER OPENING	EA	1
(65614) 31026-1	VALVE, GATE, 6 IN HAND WHEEL OPERATED	EA	4
(65614) 31004-100	ELBOW WELDMENT, STRAINER ASSEMBLY	EA	2
(65614) 31006-101	TEE WELDMENT, STRAINER ASSEMBLY	EA	2
(80204) ANSI B16.5	GASKET, NON-ASBESTOS, 6 IN NOM PIPE SIZE	EA	10
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 6 IN LG, CAD PL, .750-1OUNC-2A	EA	24
(81346)ASTM A193	BOLT, STUD, 3/4 IN X 5 IN LG, CAD PL, .750-1OUNC-2A	EA	96
(81346) ASTM A194	NUT, HEX HEAD, 3/4 IN, CAD PL, .750-1OUNC-2A	EA	264
(80204) ANSI B16.11	ELBOW, 90 DEG, FEMALE X FEMALE, 1 IN NOM SIZE	EA	2
	NIPPLE, PIPE, 1 IN NPT X 6.00 IN LG	EA	2
(65614) 31121-1	VALVE, BALL, SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 1 IN NOM SIZE	EA	2
4730-00-084-7435	COUPLING HALF, QUICK DISCONNECT, 1 IN NOM SIZE	EA	2
4720-01-226-4829	-HOSE ASSY, RUBBER, 1 IN ID, 25 FT LG, W/QUICK DISCONNECT CAM-LOCKING FITTINGS (1 MALE AND 1 FEMALE)	EA	2
(80204) ANSI/MSS SP69	U-BOLT, 1/2 IN FOR 6 IN PIPE	EA	2
(80204) ANSI B16.11	ELBOW, 90 DEG, STREET, 1/2 IN NOM SIZE	EA	2

STRAINER ASSEMBLY: (CONTINUED)

(65614) 31116-1	VALVE, BALL, SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 1/2 IN NOM SIZE	EA	2
(65614) 31098-1	GAGE, DIFFERENTIAL PRESSURE, STRAIGHT FLOW	EA	1
(65614) 31098-2	GAGE, DIFFERENTIAL PRESSURE, REVERSE FLOW	EA	1
65614) 31042-100	TUBE AND FITTING ASSEMBLY	EA	4
(65614) 31041-1	NIPPLE, HEX, STEEL, 1/2 IN NPT BOTH ENDS	EA	2
(81346) ASTM A194	NUT, HEX HEAD, 1/2 IN, CAD PL, .500-13UNC-2A	EA	4
(65614) 25518-1	WASHER, BEVELED	EA	4
	NIPPLE, PIPE, 1 IN NPT X 1.75 IN LG	EA	2
(19099) 80000002	CAP, RUBBER, 6 IN	EA	2
(65614) 31085-2	ELBOW, 90 DEG, LONG RADIUS, ALUMINUM, 6 IN, SINGLE GROOVE, 740 PSI WORKING PRESSURE	EA	30
(65614) 31086-2	TEE, 6 IN SINGLE GROOVE ALUM, 740 PSI WORKING PRESSURE	EA	6
4820-01-288-4630	VALVE ASSY, 6 IN, CHECK, SINGLE GROOVE ENDS, SKID MOUNTED	EA	3
	CONSISTING OF:		
(65614) 31091-1	VALVE, CHECK, SWING, 6 IN, CONFORMING TO MIL-V-10386D(ME)	EA	1
(80204) ANSI B16.5	ADAPTER, FLANGE TO SINGLE GROOVE, 6 IN NOM SIZE	EA	2
	CONSISTING OF:		
(80204) ANSI B16.5	FLANGE, RAISED FACE SLIP-ON, 6 IN	EA	1
(81346) ASTM A106	NIPPLE, PIPE, 6.625 IN OD X 12 IN LG, SINGLE GROOVE ONE END SEAMLESS	EA	1
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 5 IN LG CAD PL, .750-10UNC-2A	EA	12
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 6 IN LG, CAD PL, .750-10UNC-2A	EA	12

VALVE ASSY: (CONTINUED)

(80204) ANSI B16.5	GASKET, NON-ASBESTOS, FULL FACE, 6 IN NOM PIPE SIZE	EA	2
(65614) 83674-100	SKID WELDMENT, CHECK VALVE	EA	1
(65614) 83675-1	LUG, LIFTING, CHECK VALVE	EA	2
(81346) ASTM A194	NUT, HEX HEAD, 3/4 IN, CAD PL, .750- 1OUNC-2A	EA	60
(19099) 80000002	CAP, RUBBER, 6 IN	EA	2
(65614) 31092-101	VALVE ASSY, 6 IN, SINGLE GROOVE X 1 IN QUICK DISCONNECT, CAM- LOCKING TYPE, W/I IN VALVE	EA	1
CONSISTING OF:			
(65614) 31093-1	VALVE, GATE, STEEL, 1 IN NOM PIPE SIZE	EA	1
(81346) ASTM A106	REDUCER, SINGLE GROOVE LARGE END, THREADED SMALL END, 6 IN X 1 IN NOM PIPE SIZE, .432 IN W.T.	EA	1
4730-00-084-7435	COUPLING HALF, QUICK DISCONNECT, 1 IN NOM SIZE	EA	1
(96906) MS27028-5	COUPLING HALF, QUICK DISCONNECT, 1 IN NOM SIZE	EA	1
5310-00-088-9167	GASKET-COUPLING HALF, QUICK DISCONNECT, 1 IN NOM SIZE	EA	1
4730-01-288-4632	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE	EA	4
CONSISTING OF:			
5340-01-274-9790	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE	EA	25
(97403) PD4730-0059	TOOL, ASSY, REMOVABLE, SINGLE GROOVE COUPLING WITH INTEGRAL GASKET	EA	2
5120-00-187-1033	HAMMER, SPARKLESS, 2#	EA	1
(97403) PD4730-0059	DRIFT PIN	EA	1
(97403) PD4730-0059	GASKET, SYNTHETIC RUBBER, 6 IN NOM SIZE	EA	1
(97403) PD4730-0059	PIN, RETAINING, PLATED, COLD ROLLED STEEL	EA	1

PIPELINE PUMP STATION (CONTINUED)

5430-00-268-8187	TANK, FABRIC, COLLAPSIBLE, 3000 GAL	EA	1
4210-01-237-2887	EXTINGUISHER, FIRE, 20 LB CAPACITY	EA	6
4820-01-288-4639	VALVE ASSY, 6 IN, GATE	EA	4
	CONSISTING OF:		
(65614) 31026-1	VALVE, GATE, 6 IN, HAND WHEEL OPERATED	EA	1
(80204) ANSI B16.5	ADAPTER, FLANGE TO SINGLE GROOVE, 6 IN NOM SIZE	EA	2
	CONSISTING OF:		
(80204) ANSI B16.5	FLANGE, RAISED FACE SLIP-ON, 6 IN	EA	1
(81346) ASTM A106	NIPPLE, PIPE, 6.625 IN OD X 12 IN LG, SINGLE GROOVE ONE END, SEAMLESS	EA	1
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 5 IN LG, CAD PL, .750-1OUNC-2A	EA	12
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 6 IN LG, CAD PL, .750-1OUNC-2A	EA	12
(80204) ANSI B16.5	GASKET, NON-ASBESTOS, FULL FACE, 6 IN NOM PIPE SIZE	EA	2
(65614) 31185-100	SKID WELDMENT, GATE VALVE	EA	1
(65614) 31189-1	LUG, LIFTING, GATE VALVE	EA	2
(81346) ASTM A194	NUT, HEX HEAD, 3/4 IN, CAD PL, EA .750- 1OUNC-2A	60	
(19099) 80000002	CAP, RUBBER, 6 IN	EA	2
4720-01-226-4829	HOSE ASSY, RUBBER, 1 IN ID, 25 FT LG, W/QUICK DISCONNECT CAM-LOCKING FITTINGS (1 MALE AND 1 FEMALE)	EA	8
8105-00-935-7101	BAGS, SAND: POLYPROPYLENE, PACKED 100 BAGS PER EACH UNIT	EA	10
4730-00-084-7435	COUPLING HALF, QUICK DISCONNECT, 1 IN NOM SIZE	EA	4
(65614) 31192-1	VALVE, BALL, SCREWED, FNPT, 150 PSI WORKING PRESSURE, 1 IN NOM SIZE	EA	2

PIPELINE PUMP STATION: (CONTINUED)

(96906)MS27026-5	COUPLING HALF, QUICK DISCONNECT 1 IN NOM SIZE	EA	3
(96906) MS27028-5	COUPLING HALF, QUICK DISCONNECT, 1 IN NOM SIZE	EA	2
4940-00-360-0715	COUPLING HALF, QUICK DISCONNECT, 1 IN NOM SIZE	EA	3
5313-00-088-9167	GASKET-COUPLING HALF, QUICK DISCONNECT, 1 IN NOM SIZE	EA	5
(80204) ANSI B16.11	BUSHING, REDUCER, HEX-HEAD, 3 IN X 1 IN NPT	EA	1
(96906)MS27024-15	COUPLING HALF, QUICK DISCONNECT, 3 IN NOM SIZE	EA	1
5330-00-088-9166	GASKET-COUPLING HALF, QUICK DISCONNECT, 3 IN NOM SIZE	EA	1
3835-01-188-4643	PIPELINE PUMP STATION PROTECTIVE STRUCTURE, LIGHTWEIGHT STEEL PANEL BUILDING	EA	2
(65614) 83677-1	ANCHOR, 1.5 IN SQUARE SHAFT, 60 IN LG, SINGLE 6 IN DIA HELIX, FORGED STEEL, SAND COLOR 30277	EA	8
(81349) MIL-D-43095	DISPENSING PUMP, HAND DRIVEN, LIQUID PETROLEUM FUEL, 1 IN CAM LOCK CONNECTIONS	EA	1
8115-01-288-4652	CONTAINER, CARGO, 20 FT LG	EA	1
6230-01-288-4627	FLOODLIGHT SET, 6 KW	EA	1
3835-01-288-4614	PIPELINE SET, 1000 FT	EA	4
	CONSISTING OF:		
(97403) CPL-30093	PIPELINE SET, 475 FT, SINGLE GROOVE	EA	2
	CONSISTING OF:		
4710-01-275-5057	PIPELINE SECTION, 6 IN NOM SIZE X 19 FT LG (PACKED 25 PER BUNDLE)	EA	25
(97403) PD4710-0060	END PROTECTOR, 6 IN NOM SIZE	EA	50
(97403) PD4710-0060	FRAME, UNITIZING	EA	3
4730-01-288-4632	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE	EA	2

CONSISTING OF:

COUPLING CLAMP: (CONTINUED)

5340-01-274-9790	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE	EA	25
(97403) PD4730-0059	TOOL, ASSY, REMOVABLE, SINGLE GROOVE COUPLING WITH INTEGRAL GASKET	EA	2
5120-00-187-1033	HAMMER, SPARKLESS, 2#	EA	1
(97403) PD4730-0059	DRIFT PIN	EA	1
(97403) PD4730-0059	GASKET, SYNTHETIC RUBBER, 6 IN NOM SIZE, INTEGRAL FOR SINGLE GROOVE COUPLING	EA	1
(97403) PD4730-0059	PIN, RETAINING, PLATED, COLD ROLLED STEEL, SINGLE GROOVE COUPLING WITH INTEGRAL GASKET	EA	1
3835-01-288-4615	PIPELINE SET, 1 MILE CONSISTING OF:	EA	3
4820-01-288-4630	VALVE ASSY, 6 IN, CHECK, SKID MOUNTED CONSISTING OF:	EA	1
(65614) 31091-1	VALVE, CHECK, SWING, RAISED FACE FLANGED BOTH ENDS, 6 IN	EA	1
(80204) ANSI B16.5	ADAPTER, FLANGE TO SINGLE GROOVE 6 IN NOM SIZE CONSISTING OF:	EA	2
(80204) ANSI B16.5	FLANGE, RAISED FACE SLIP-ON, 6 IN	EA	1
(81346) ASTM A106	NIPPLE, PIPE, 6.625 IN OD X 12 IN LG, SINGLE GROOVE ONE END SEAMLESS	EA	1
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 5 IN LG, CAD PL, .750-1OUNC-2A	EA	12
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 6 IN LG, CAD PL, .750-1OUNC-2A	EA	12
(80204) ANSI B16.5	GASKET, NON-ASBESTOS, 6 IN NOM PIPE SIZE	EA	2
(65614) 83674-100	SKID WELDMENT, CHECK VALVE	EA	1
(65614) 83675-1	LUG, LIFTING, CHECK VALVE	EA	2
(81346) ASTM A194	NUT, HEX HEAD, 3/4 IN, CAD PL, .750-1OUNC-2A	EA	60

ADAPTER, FLANGE (CONTINUED)

(19099) 80000002	CAP, RUBBER, 6 IN	EA	2
4820-01-288-4633	VALVE ASSY, 6 IN, GATE, SKID MOUNTED W/ STEM PROTECTOR	EA	2
CONSISTING OF:			
(65614) 31026-1	VALVE, GATE, 6 IN., HAND WHEEL OPERATED	EA	1
(80204) ANSI B16.5	ADAPTER, FLANGE TO SINGLE GROOVE 6 IN NOM SIZE	EA	2
CONSISTING OF:			
(80204) ANSI B16.5	FLANGE, RAISED FACE SLIP-ON, 6 IN	EA	1
(81346) ASTM A106	NIPPLE, PIPE, 6.625 IN OD X 12 IN LG, SINGLE GROOVE ONE END SEAMLESS	EA	1
(65614) 31076-1	STEM PROTECTOR, GATE VALVE	EA	1
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 5 IN LG, CAD PL, .750-1OUNC-2A	EA	12
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 6 IN LG, CAD PL, .750-1OUNC-2A	EA	12
(80204) ANSI B16.5	GASKET, NON-ASBESTOS, 6 IN NOM PIPE SIZE	EA	2
(65614) 31185-100	SKID WELDMENT, GATE VALVE	EA	1
(65614) 31189-1	LUG, LIFTING, GATE VALVE	EA	2
(81346) ASTM A194	NUT, HEX HEAD, 3/4 IN, CAD PL, .750- 1OUNC-2A	EA	60
(19099) 80000002	CAP, RUBBER, 6 IN	EA	2
(97403) CPL-30093	PIPELINE SET, 475 FT SINGLE GROOVE	EA	12
CONSISTING OF:			
4710-01-275-5057	PIPELINE SECTION, ALUMINUM 6 IN NOM SIZE X 19 FT LG (PACKED 25 PER BUNDLE)	EA	25
(97403) PD4710-0060	END PROTECTOR, 6 IN NOM SIZE	EA	50
(97403) PD4710-0060	FRAME, UNITIZING	EA	3
(65614) 31078-1	CLAMP, REPAIR, PIPE,,6 IN	EA	2

PIPELINE SET: (CONTINUED)

4730-01-288-4632	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE	EA	13
	CONSISTING OF:		
5340-01-274-9790	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE	EA	25
(97403) PD4730-0059	TOOL, ASSY, REMOVABLE, SINGLE GROOVE COUPLING WITH INTEGRAL GASKET	EA	2
5120-00-187-1033	HAMMER, SPARKLESS, 2#	EA	1
(97403) PD4730-0059	DRIFT PIN	EA	1
(97403) PD4730-0059	GASKET, SYNTHETIC RUBBER, 6 IN NOM SIZE, INTEGRAL FOR SINGLE GROOVE COUPLING	EA	1
(97403) PD4730-0059	PIN, RETAINING, PLATED, COLD ROLLED STEEL, SINGLE GROOVE COUPLING WITH INTEGRAL GASKET	EA	1
4710-01-288-4634	ANCHOR, PIPELINE, SINGLE HELIX WITH 2 PIECE CLAMP	EA	12
	CONSISTING OF:		
(65624) 83677-1	ANCHOR, 1.5 IN SQUARE SHAFT, 60 IN LG, SINGLE 6 IN DIA HELIX, FORGED STEEL, SAND COLOR 30277	EA	1
(65614) 83677-2	CLAMP, PIPE ANCHOR, 2 PART WITH SLIP ON SADDLE FOR 6 IN NOM DIA PIPE, SAND COLOR 30277	EA	1
4710-01-288-4635	PIPELINE VENT ASSEMBLY CONSISTING OF:	EA	2
(81346) ASTM A106	NIPPLE, PIPE, 6.625 IN OD X 12 IN LG, SINGLE GROOVE ONE END, SEAMLESS	EA	1
(80204) ANSI B16.11	THREDOLET, 12-6X3/4 IN, 3000 LB, NPT	EA	1
(65614) 83664-1	VALVE, BALL, SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 3/4 IN NOM SIZE, WITH LOCKING HANDLE	EA	1
(80204) ANSI B16.11	ELBOW, STREET, 90 DEG, 3/4 IN NOM PIPE SIZE, 3000 LB	EA	1
	NIPPLE, PIPE, 3/4 IN NPT X 3.00 IN EA LG	1	

PIPELINE VENT ASSY: (CONTINUED)

(80204) ANSI B16.11	ELBOW, SCRD, STREET, 90 DEG, 3/4 IN NOM PIPE SIZE, 3000 LB	EA	1
(80204) ANSI B16.11	PLUG, 3/4 IN, NPT, HEX HEAD, 3000 PSI	EA	1
(19099) 80000002	CAP, RUBBER, 6 IN	EA	2
3835-01-288-4611	PIPELINE SET, 5 MILE	EA	1
	CONSISTING OF:		
4820-01-288-4633	VALVE ASSY, 6 IN, GATE SKID MOUNTED W/ STEM PROTECTOR	EA	5
	CONSISTING OF:		
(65614) 31026-1	VALVE, GATE, RAISED FACE FLANGED BOTH ENDS, 6 IN HAND WHEEL OPERATED	EA	1
(80204) ANSI B16.5	ADAPTER, FLANGE TO SINGLE GROOVE 6 IN NOM SIZE	EA	2
	CONSISTING OF:		
(80204) ANSI B16.5	FLANGE, RAISED FACE SLIP-ON, 6 IN	EA	1
(81346) ASTM A106	NIPPLE, PIPE, 6.625 IN OD X 12 IN LG, SINGLE GROOVE ONE END, SEAMLESS	EA	1
(65614) 31076-100	STEM PROTECTOR, GATE VALVE	EA	1
(81346) ASTM-A193	BOLT, STUD, 3/4 IN X 5 IN LG, CAD PL, .750-1OUNC-2A	EA	12
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 6 IN LG, CAD PL, .750-1OUNC-2A	EA	12
(80204) ANSI B16.5	GASKET, NON-ASBESTOS, 6 IN NOM PIPE SIZE	EA	2
(65614) 31185-100	SKID WELDMENT, GATE VALVE	EA	1
(65614) 31189-1	LUG, LIFTING, GATE VALVE	EA	2
(81346) ASTM A194	NUT, HEX HEAD, 3/4 IN, CAD PL, .750-1OUNC-2A	EA	60
(19099) 80000002	CAP, RUBBER, 6 IN	EA	2
4820-01-288-4630	VALVE ASSY, 6 IN, CHECK, SKID MOUNTED	EA	3

CONSISTING OF:

VALVE ASSY: (CONTINUED)

(65614) 31091-1	VALVE, CHECK, SWING, RAISED FACE FLANGED BOTH ENDS, 6 IN	EA	1
(80204) ANSI B16.5	ADAPTER, FLANGE TO SINGLE GROOVE, 6 IN NOM SIZE	EA	2
CONSISTING OF:			
(80204) ANSI B16.5	FLANGE, RAISED FACE SLIP-ON, 6 IN	EA	1
(81346) ASTM A106	NIPPLE, PIPE, 6.625 IN OD X 12 IN LG, SINGLE GROOVE ONE END, SEAMLESS	EA	1
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 5 IN LG, CAD PL, .750-1OUNC-2A	EA	12
(81346) ASTM A193	BOLT, STUD, 3/4 IN X 6 IN LG, CAD PL, .750-1OUNC-2A	EA	12
(80204) ANSI B16.5	GASKET, NON-ASBESTOS, 6 IN NOM PIPE SIZE	EA	2
(65614) 83674-100	SKID WELDMENT, CHECK VALVE	EA	1
(65614) 83675-1	LUG, LIFTING, CHECK VALVE	EA	2
(81346) ASTM A194	NUT, HEX HEAD, 3/4 IN, CAD PL, .750-1OUNC-2A	EA	60
(19099) 80000002	CAP, RUBBER, 6 IN	EA	2
(97403) CPL-30093	PIPELINE SET, 475 FT, SINGLE GROOVE	EA	56
CONSISTING OF:			
4710-01-275-5057	PIPELINE SECTION, ALUMINUM, 6 IN NOM SIZE X 19 FT LG (PACKED 25 PER BUNDLE)	EA	25
(97403) PD4710-0060	END PROTECTOR, 6 IN NOM SIZE	EA	50
(97403) PD4710-0060	FRAME, UNITIZING	EA	3
(81349) MIL-C-13286/ 1A	CLAMP, REPAIR, PIPE: WITH GASOLINE- RESISTANT GASKET, 6 IN NOM DIA PIPE	EA	5
4730-01-288-4632	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE	EA	61
CONSISTING OF:			
5340-01-274-9790	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE	EA	25

COUPLING, CLAMP: (CONTINUED)

(97403) PD4730-0059	TOOL, ASSY, REMOVABLE, SINGLE GROOVE COUPLING WITH INTEGRAL GASKET	EA	2
5120-00-187-1033	HAMMER, SPARKLESS, 2#	EA	1
(97403) PD4730-0059	DRIFT PIN	EA	1
(97403) PD4730-0059	GASKET, SYNTHETIC RUBBER, 6 IN NOM SIZE, INTEGRAL FOR SINGLE GROOVE COUPLING	EA	1
(97403) PD4730-0059	PIN, RETAINING, PLATED, COLD ROLLED STEEL, SINGLE GROOVE COUPLING WITH INTEGRAL GASKET	EA	1
(65614) 83612-1	CULVERT, NESTABLE, 24 IN DIA, COLOR CHIP 30277 (40 FT, LINEAR)	EA	4
4730-01-288-4631	ELBOW SET, 6 IN PIPELINE, CONSISTING OF:	EA	1
(65614) 83668-1	ELBOW, 90 DEG, ALUMINUM, SINGLE GROOVE, 6 IN NOM SIZE, 740 PSI WORKING PRESSURE	EA	2
(65614) 83669-1	ELBOW, 45 DEG, ALUMINUM, SINGLE GROOVE, 6 IN NOM SIZE, 740 PSI WORKING PRESSURE	EA	7
(65614) 83670-1	ELBOW, 22.5 DEG, ALUMINUM, SINGLE GROOVE, 6 IN NOM SIZE, 740 PSI WORKING PRESSURE	EA	5
(65614) 83671-1	ELBOW, 11.25 DEG, ALUMINUM, SINGLE GROOVE, 6 IN NOM SIZE, 740 PSI WORKING PRESSURE	EA	5
(65614) 83672-1	ELBOW, 6 DEG, ALUMINUM, SINGLE GROOVE, 6 IN NOM SIZE, 740 PSI WORKING PRESSURE	EA	6
(19099) 80000002	CAP, RUBBER, 6 IN	EA	50
4730-01-288-4632	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE CONSISTING OF:	EA	1
5340-01-274-9790	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE	EA	25
(97403) PD4730-0059	TOOL, ASSY, REMOVABLE, SINGLE GROOVE COUPLING WITH INTEGRAL GASKET	EA	2

COUPLING, CLAMP: (CONTINUED)

5120-00-187-1033	HAMMER, SPARKLESS, 2#	EA	1
(97403) PD4730-0059	DRIFT PIN EA	1	
(97403) PD4730-0059	GASKET, SYNTHETIC RUBBER, 6 IN NOM SIZE, INTEGRAL FOR SINGLE GROOVE COUPLING	EA	1
(97403) PD4730-0059	PIN, RETAINING, PLATED, COLD ROLLED STEEL, SINGLE GROOVE COUPLING WITH INTEGRAL GASKET	EA	1
5340-01-275-5058	OVERCOUPLING, PIPELINE, 6 IN NOM SIZE	EA	5
4710-01-288-4634	ANCHOR, PIPELINE, SINGLE HELIX WITH 2 PIECE CLAMP	EA	40
	CONSISTING OF:		
(65614) 83677-1	ANCHOR, 1.5 IN SQUARE SHAFT, 60 IN LG, SINGLE 6 IN DIA HELIX, FORGED STEEL, SAND COLOR 30277	EA	1
(65614) 83677-2	CLAMP, PIPE ANCHOR, 2 PART WITH SLIP ON SADDLE FOR 6 IN NOM DIA PIPE, SAND COLOR 30277	EA	1
4710-01-288-4635	PIPELINE VENT ASSEMBLY	EA	5
	CONSISTING OF:		
(83146) ASTM A106	NIPPLE, PIPE, 6.625 IN OD X 12 IN LG, SINGLE GROOVE ONE END, SEAMLESS	EA	1
(80204) ANSI B16.11	THREDOLET, 12-6X3/4 IN, 3000 LB, NPT	EA	1
(65614) 83664-1	VALVE, BALL, SCREWED, FNPT, 2000 PSI WORKING PRESSURE, 3/4 IN NOM SIZE, WITH LOCKING HANDLE	EA	1
(80204) ANSI B16.11	ELBOW, STREET, 90 DEG, 3/4 IN NOM PIPE SIZE, 3000 LB	EA	1
	NIPPLE, PIPE, 3/4 IN NPT X 3.00 IN LG	EA	1
(80204) ANSI B16.11	ELBOW, STREET, 90 DEG, 3/4 IN NOM PIPE SIZE, 3000 LB	EA	1
(80204) ANSI B16.11	PLUG, 3/4 IN, NPT, HEX HEAD	EA	1
(19099) 80000002	CAP, RUBBER, 6 IN	EA	2

4710-01-274-9801	PIPE NIPPLE BUNDLE, ALUMINUM, 6 IN NOMINAL SIZE X 9.5 FT LG, (PACKED 25 PIECES PER BUNDLE)	EA	2
CONSISTING OF:			
4710-01-274-9800	PIPE NIPPLE, ALUMINUM 6 IN NOM SIZE (6.625 IN O.D.) X 9.5 FT LG (0.404 IN W.T.)	EA	25
(97403) PD4710-0060	END PROTECTOR, 6 IN NOM SIZE	EA	50
(97403) PD4710-0060	FRAME, UNITIZING	EA	2
4730-01-288-5902	EXPANSION/CONTRACTION SET 6 IN PIPELINE	EA	1
CONSISTING OF:			
(65614) 83668-1	ELBOW, 90 DEG, ALUMINUM, SINGLE GROOVE, 6 IN NOM SIZE, 740 PSI WORKING PRESSURE	EA	60
(65614) 83669-1	ELBOW, 45 DEG, ALUMINUM, SINGLE GROOVE, 6 IN NOM SIZE, 740 PSI WORKING PRESSURE	EA	52
(19099) 80000002	CAP, RUBBER, 6 IN	EA	224
4730-01-288-4632	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE	EA	5
CONSISTING OF:			
5340-01-274-9790	COUPLING, CLAMP, PIPE, 6 IN NOM SIZE	EA	25
(97403) PD4730-0059	TOOL, ASSY, REMOVABLE, SINGLE GROOVE COUPLING WITH INTEGRAL GASKET	EA	2
5120-00-187-1033	HAMMER, SPARKLESS, 2#	EA	1
(97403) PD4730-0059	DRIFT PIN	EA	1
(97403) PD4730-0059	GASKET, SYNTHETIC RUBBER, 6 IN NOM SIZE, INTEGRAL FOR SINGLE GROOVE COUPLING	EA	1
(97403) PD4730-0059	PIN, RETAINING, PLATED, COLD ROLLED STEEL, SINGLE GROOVE COUPLING WITH INTEGRAL GASKET	EA	1
3835-01-288-4646	PIPELINE SUPPORT ASSEMBLY, FT LEONARD WOOD ENGINEER TRAINING MODULE	EA	1

CONSISTING OF:

PIPELINE SUPPORT ASSY: (CONTINUED)

4320-01-194-5601	PUMPING ASSY DIESEL ENGINE DRIVEN, SELF-PRIMING CENTRIFUGAL, 1250 GPM AT 180 FT HD	EA	2
(65614) 83789-100	SUPPLEMENTAL PIPELINE INSTALLATION EQUIPMENT, FT LEONARD WOOD ENGINEER TRAINING MODULE	EA	1
	CONSISTING OF:		
3835-01-288-4642	CUTTING AND GROOVING MACHINE FOR 4 IN THRU 8 IN NOM PIPE AIR AND HYDRAULIC DRIVE	EA	1
	CONSISTING OF:		
(98198) 10-000-01	SPLIT FRAME CUTTING, GROOVING AND BEVELING MACHINE SET, 4 IN THRU 8 IN NOM PIPE WITH CARRYING CASE AND OPERATORS MANUAL	EA	1
(98198) 43-800-99	FIELD TOOL INSERT KIT, CUTTING, GROOVING AND BEVELING MACHINE	EA	1
(98198) 43-705-00	PARTING TOOL INSERTS, CUTTING, GROOVING AND BEVELING MACHINE	EA	10
(98198) 43-799-01	SINGLE GROOVING INSERTS, CUTTING, GROOVING AND BEVELING MACHINE	EA	6
(98198) 43-799-02	IPDS GROOVING INSERTS, CUTTING, GROOVING AND BEVELING MACHINE	EA	6
(98198) 43-799-03	DOUBLE GROOVING INSERTS, CUTTING, GROOVING AND BEVELING MACHINE	EA	6
(98198) 43-799-04	BEVELING BITS, 30 DEG, CUTTING GROOVING AND BEVELING MACHINE	EA	6
(98198) 10-400-01	PNEUMATIC DRIVE KIT WITH STORAGE CASE, CUTTING, GROOVING & BEVELING MACHINE	EA	1
(98198) 10-400-03	HYDRAULIC DRIVE KIT WITH 20 FT HOSE AND STORAGE CASE, CUTTING, GROOVING AND BEVELING MACHINE	EA	1
(98198) 10-401-01	PIPE STAND SET, TRIPOD, WITH CHAIN VISE AND TOOL TRAY	EA	1
(98198) 10-401-2	MINI SPARE OVERPACK KIT, CUTTING, GROOVING AND BEVELING MACHINE	EA	1
(98198) 10-000-02	SPLIT FRAME CUTTING, GROOVING AND BEVELING MACHINE SET, 10 IN THRU 12 IN NOM PIPE WITH CARRYING CASE AND OPERATORS MANUAL	EA	1

SUPPLEMENTAL PIPELINE: (CONTINUED)

(29273) MODEL ADH40	DRIVE HEAD, HYDRAULIC FOR ANCHOR INSTALLATION W/JD 410 MOUNTING	EA	3
3835-01-288-4640	TAPPING MACHINE, PIPELINE	EA	2
	CONSISTING OF:		
(11226) 05-0661-0000	DRILLING MACHINE, T-18, HAND OPERATED, RATCHET CRANK WITH BLEEDER VALVE, 1440 PSI WITH OPERATORS MANUAL	EA	1
(11226) 05-0669-0000	HOLDER, 2 IN HOLE SAW	EA	1
(11226) 05-0179-0002	HOLE SAW, 2 IN, (ACTUAL O.D 1-7/8 IN)	EA	1
(11226) 00-0644-0029	ADAPTER, T-18 DRILLING MACHINE TO 2 IN VALVE	EA	1
(80204) ANSI B16.11	TEE, 2 IN NOM PIPE SIZE, 3000 PSI	EA	1
(80204) ANSI B16.11	PLUG, 2 IN, NPT, HEX HEAD, 3000 PSI	EA	1
	NIPPLE, PIPE, 2 IN NPT X 3.00 IN LG	EA	2
(11226) 1506	VALVE, BALL, SCREWED, FNPT, 2 IN NOM SIZE	EA	2
4730-00-649-9103	COUPLING HALF, QUICK DISCONNECT	EA	1
(11226) MJ6X2	FITTING, BOLT-ON, 2 IN NPT WITH 6 IN BOLT-ON SLEEVE FOR 6 IN NOM DIA PIPE	EA	1
(11226) CC-T-18	CARRYING CASE, TAPPING MACHINE	EA	1
4720-01-226-4824	HOSE ASSY, RUBBER, SYNTHETIC 2 IN ID, 25 FT LG, W/QUICK DISCONNECT CAM-LOCKING FITTINGS (1 MALE AND 1 FEMALE)	EA	1
(08074) 02-OOIN-B-T	DEAD WEIGHT TESTER, 50 - 3000 PSI RANGE, 1/4 IN CONNECTION	EA	1
(80204) ANSI B891 10M-1987/A-A-2348	INDICATOR, DIAL, 1.000 IN TRAVEL .001 IN GRADUATIONS, ADJUSTABLE DIAL SETTING WITH MAGNETIC BASE	EA	2
(60998) 10-0090-00	CALIPER, MICROMETER, INSIDE, 2.000 TO 12.000 IN RANGE, .001 IN GRADUATIONS	EA	2

SUPPLEMENTAL PIPELINE: (CONTINUED)

(60998) 02-0181-14	CALIPER, MICROMETER, OUTSIDE, 0.000 TO 1.000 IN, .0001 GRADUATION	EA	2
(81348) GG-L-260	LEVEL, SURVEYING, TOPOGRAPHIC ABNEY REFLECTING	EA	2
5180-00-289-8930	TOOL KIT, SUPPLEMENTAL, PIPELINE PUMP STATION	EA	1
(65614) 83743-100	PIPELINE SUSPENSION BRIDGE FOR 6 IN PIPELINE, 100 FT	EA	1
	CONSISTING OF:		
(65614) 83747-100	PIPELINE SUSPENSION SUSPENDER SET 100 FT	EA	1
	CONSISTING OF:		
(81348) RR-W-410D TYPE 1 CLASS 2	WIRE ROPE, 1/4 IN, IMPROVED PLOW STEEL, GALVANIZED, 6 X 19 IN	FT	122
4030-00-233-9568	CLAMP, WIRE ROPE, SADDLED U-BOLT 1/4 IN, GALVANIZED	EA	72
(75535) G277	BOLT, EYE, 1/2 IN X 6 IN LG, GALVANIZED	EA	18
(75535) S320IC	HOOK, EYE, SNAP HOOK W/LATCH GALVANIZED	EA	18
(75535) G408	THIMBLE, SPLIT OVAL, FOR 1/4 IN WIRE ROPE, OPEN THROAT, GALVANIZED	EA	36
(96906) MS51415-9	WASHER, LOCK, STEEL, GALVANIZED, 1/2 IN NOM	EA	18
(96906) MS51412-10	WASHER, FLAT, STEEL, GALVANIZED, 1/2 IN NOM	EA	36
(81348) FF-T-791B, TYPE 1 FORM 1, CLASS 7	TURNBUCKLE, 1/2 X 6 IN, GALVANIZED	EA	18
(97403) 83746-100	PIPELINE SUSPENSION TOWER FAB SET 100 FT	EA	1
	CONSISTING OF:		
5306-00-582-6211	BOLT, MACH, SQUARE HEAD, STEEL, GALVANIZED, 5/8 IN X 10 IN LG, UNC-2A	EA	22
(96906) MS35355-130	BOLT, MACH, SQUARE HEAD, STEEL, GALAVANIZED, 1/2 IN X 3-1/2 IN LG UNC-2A	EA	8

PIPELINE SUSPENSION: (CONTINUED)

(96906) MS35355-174	BOLT, MACH, SQUARE HEAD, STEEL, GALVANIZED, 5/8 IN X 9 IN LG UNC-2A	EA	3
(96906) MS21304-6	NUT, SQUARE HEAD, GALVANIZED, 5/8 IN, .625-11UNC-2B	EA	25
(96906) MS51472-01	NUT, PLAIN, HEX HEAD, GALVANIZED, 1/2 IN, .500-13UNC-2B	EA	8
(96906) MS51415-9	WASHER, LOCK, STEEL, GALVANIZED, 1/2 IN NOM	EA	8
99906) MS51415-10	WASHER, LOCK, STEEL, GALVANIZED, 5/8 IN NOM	EA	25
(96906) MS51412-10	WASHER, FLAT, STEEL, GALVANIZED, 1/2 IN NOM	EA	16
(96906) MS51412-12	WASHER, FLAT, STEEL, GALVANIZED, 5/8 IN NOM	EA	50
(65614) 83749-4	TOWER BASE WELDMENT, 100 FT	EA	2
(65614) 83749-1	LEVELING BEAM WELDMENT, 100 FT	EA	1
(65614) 83749-7	TOWER CAP WELDMENT	EA	4
4010-00-886-3046	LINK, PEAR, 3/8 IN DIA, GALVANIZED	EA	18
(81348) RR-W-410D TYPE 1 CLASS 2	WIRE ROPE, 7/16 IN, IMPROVED PLOW STEEL, GALVANIZED , 6 X 19	FT	500
(81348) RR-W-410D TYPE 1 CLASS 2	WIRE ROPE, 1/4 IN, IMPROVED PLOW STEE, GALVANIZED, 6 X 19	FT	300
(81348) RR-W-410D TYPE 1 CLASS 2	WIRE ROPE, 1/2 IN, IMPROVED PLOW STEEL, GALVANIZED, 6 X 19	FT	500
(75535) G340	LINK, 1/2 IN WIRE ROPE, OBLONG GALVANIZED	EA	12
4030-00-233-9566	CLAMP, WIRE ROPE, SADDLED U-BOLT 7/16 IN, GALVANIZED	EA	60
4030-00-233-9568	CLAMP, WIRE ROPE, SADDLED U-BOLT 1/4 IN, GALVANZIED	EA	40
(96906) MS16842-7	CLAMP, WIRE ROPE, SADDLED U-BOLT 1/2 IN, GALVANIZED	EA	55
4030-00-266-0065	THIMBLE, SPLIT OVAL, FOR 7/16 IN WIRE ROPE, GALVANIZED	EA	30
(81348) FF-T-276B, TYPE III	THIMBLE, FOR 1/2 IN WIRE ROPE, GALVANIZED	EA	8

PIPELINE SUPSPENSION: (CONTINUED)

4030-00-542-3181	SHACKLE, 5/8 IN NOM, GALVANIZED	EA	12
(75535) G277	BOLT, EYE, 1/2 IN X 6 IN LG, GALVANIZED	EA	25
(96906) MS51472-01	NUT, PLAIN, HEX HEAD, GALVANIZED, 1/2 IN, .500-13UNC-2B	EA	47
(75535) G408	THIMBLE, SPLIT OVAL, FOR 1/4 IN WIRE ROPE, OPEN THROAT, GALVANIZED	EA	4
(65614) 83677-1	ANCHOR, 1.5 IN SQUARE SHAFT, 60 IN LG, SINGLE 6 IN DIA HELIX, FORGED STEEL, SAND COLOR 30277	EA	12
(81348) RR-C-271B TYPE IV CLASS 4	SHACKLE, ANCHOR, 7/16 IN NOM, GALVANIZED	EA	16
(81343) SAE-J429- G#2	BOLT, EYE, 1/2 IN X 2 IN LG, GALVANIZED, 1-7/8 IN THREAD LENGTH	EA	9
(75535) G277	BOLT, EYE, 5/8 IN X 6 IN LG, GALVANIZED	EA	5
(96906) MS21304-6	NUT, SQUARE HEAD, GALVANIZED, 5/8 IN, .625-11UNC-2B	EA	5
	PIPE, STEEL, 6 IN X .280 IN W.T., 18 FT LONG NEW STRUCTURAL GRADE STEEL	EA	6
	PIPE, STEEL, 12 IN X .375 IN W.T 18 FT LG NEW STRUCTURAL GRADE STEEL	EA	2
(96906) MS35355-134	BOLT, MACH, SQUARE HEAD, STEEL, GALVANIZED, 1/2 IN X 5-1/2 IN LG UNC-2A	EA	13
(96906) MS51415-9	WASHER, LOCK, STEEL, GALVANIZED, 1/2 IN NOM	EA	50
(96906) MS51415-10	WASHER, LOCK, STEEL, GALVANIZED, 5/8 IN NOM	EA	5
(96906) MS51412-10	WASHER, FLAT, STEEL, GALVANIZED, 1/2 IN NOM	EA	95
(96906) MS51412-12	WASHER, FLAT, STEEL, GALVANIZED, 5/8 IN NOM	EA	9
(81348) FF-T-791B, TYPE 1, FORM 1, CLASS 7	TURNBUCKLE, 5/8 X 9 IN, GALVANIZED	EA	12

PIPELINE SUSPENSION: (CONTINUED)

(81348) FF-T-791B, TYPE 1, FORM 1 CLASS 7	TURNBUCKLE, 3/4 X 12 IN, GALVANIZED	EA	4
(81346) ASTM-A36/ A36M	STEEL BAR REINFORCING, 1/2 DIA X 2 IN LG	EA	20
(81346) ASTM A36/ A36M	STEEL BAR REINFORCING, 1 IN DIA X 3 FT LG	EA	16
(77783) RMCO #74078	TIE DOWN EXTRUSION, ALUM	EA	44
(77783) RMCO #58507	STAGING BOARD, ALUM, 19 FT, SOLID SHAPE	EA	10
(77783) RMCO #58507	STAGING BOARD, ALUM, 9 FT, SOLID SHAPE	EA	2
(77783) RMCO #20714	TUBING, SQUARE, ALUM, 4X4X48 IN .250 W.T., 4.5 LBS PER FT	EA	9
(OG384) 711-13	TAPE, POLYETHYLENE, 4 IN WIDE	FT	50
(77783) RMCO #58508/ RMCO #58602	SPLICE STAGING BOARD WITH ASSEMBLY PARTS AND LATCH	EA	20
(65614) 83767-100	PIPELINE TUNNEL PASSAGE, 6 IN, ALUM PIPE, 250 FT	EA	1
CONSISTING OF:			
(65614) 83612-2	CULVERT, NESTABLE, 24 IN DIA, COLOR CHIP 30277 (50 FT, LINEAR)	EA	5
8105-00-935-7101	BAGS, SAND: POLYPROPYLENE, PACKED 100 BAGS PER EACH UNIT	EA	3
(65614) 83818-1	CASING INSULATOR, 6 IN NOM PIPE, RUBBER, 4.250 IN HIGH, 260 DEG PROTECTION	EA	14
3835-01-288-5906	PIPELINE CRITICAL GAP CROSSING, 250 FT	EA	7
CONSISTING OF:			
	PIPE, 4 IN NOM SIZE, 0.237 IN W.T X 19 FT LG, NEW STRUCTURAL GRADE PIPE	EA	28
(96906) MS35355-135	BOLT, MACH, SQUARE HEAD, STEEL, GALVANIZED, 1/2 IN X 6 IN LG, UNC-2A	EA	93
(96906) MS51472-01	NUT, PLAIN, HEX HEAD, GALVANIZED, 1/2 IN, .500-13UNC-2B	EA	93

PIPELINE CRITICAL: (CONTINUED)

(96906) MS51415-9	WASHER, LOCK, STEEL, GALVANIZED, 1/2 IN NOM	EA	124
(96906) MS51412-10	WASHER, FLAT, STEEL, GALVANIZED, 1/2 IN NOM	EA	216
9520-00-277-4913	ANGLE, STEEL, 2 IN X 2 IN X 1/4 IN X 72 IN	EA	28
(81346) ASTM A36/ A360	ANGLE, STEEL, 3.5 IN X 5 IN X 3/8 IN X 60 IN	EA	14
(65614) 83777-1	PIPE ROLLER, SINGLE, 6 IN, WITH 1/2 X 1-1/2 IN BOLTS AND NUTS	EA	14

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

Official:

THOMAS F. SIKORA
Brigadier General, United States Army
The Adjutant General

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